



Institute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Sheet

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of

6

Complete if Known

Application Number	09/834,792
Filing Date	April 13, 2001
First Named Inventor	Margolskee
Art Unit	1647
Examiner Name	Sharon L. Turner
Attorney Docket Number	34116/1051

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ³ (if known)			
SS	1	US-2004/0259160 A1	12/23/2004	Johnson et al.	
	2	US-4,376,110	03/08/1983	David et al.	
	3	US-4,873,191	10/10/1989	Wagner et al.	
	4	US-4,946,778	08/07/1990	Ladner et al.	
SS	5	US-5,585,089	12/17/1996	Queen et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ³ (if known)				
SS	6	DE 199 53 167 A1	07/26/2001	Johannes-Gutenberg-Universität Mainz		X
	7	WO 00/40969	07/13/2000	Sippel et al.		X
	8	WO 01/32693 A2	05/10/2001	Johannes-Gutenberg-Universität Mainz		X
	9	WO 01/79448 A2	10/25/2001	Mount Sinai School of Medicine of New York University		
	10	WO 02/054069 A1	07/11/2002	The Regents of the University of California		
	11	WO 02/087306 A2	11/07/2002	Senomyx, Inc.		
	12	WO 02/10382 A2	02/07/2002	Wissenbach, Ulrich		
SS	13	WO 2004/076632 A2	09/10/2004	The Queen's Medical Center		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SS	14	Akabas et al., "A Bitter Substance Induces a Rise in Intercellular Calcium in a Subpopulation of Rat Taste Cells," <i>Science</i> 242:1047-1050 (1988)	
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Examiner Signature	<i>Sharon L. Turner</i>	Date Considered	6-20-05
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Sheet

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Group Art Unit	1647
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	17	Baxter et al., "A Novel Membrane Potential-Sensitive Fluorescent Dye Improves Cell-Based Assays for Ion Channels," <i>J. Biomol. Screen.</i> 7(1):79-85 (2002)	
	18	Behrendt et al., "Characterization of the Mouse Cold-Menthol Receptor TRPM8 and Vanilloid Receptor Type-1 VR1 Using a Fluorometric Imaging Plate Reader (FLIPR) Assay," <i>Brit. J. Pharmacol.</i> 141(4):737-745 (2004)	
	19	Bernhardt et al., "Changes in IP ₃ and Cytosolic Ca ²⁺ in Response to Sugars and Non-Sugar Sweeteners in Transduction of Sweet Taste in the Rat," <i>J. Physiol.</i> 490.2:325-336 (1996)	
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	22	Bronstein et al., "Chemiluminescent Reporter Gene Assays: Sensitive Detection of the GUS and SEAP Gene Products," <i>Biotechniques</i> 17(1):172-177 (1994)	
	23	Chomczynski & Sacchi, "Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction," <i>Anal. Biochem.</i> 162:156-159 (1987)	
	24	Cole et al., "The EBV-Hybridoma Technique and Its Application to Human Lung Cancer," in <i>Monoclonal Antibodies and Cancer Therapy</i> , Alan R. Liss, Inc., pp.77-96 (1985)	
	25	Cote et al., "Generation of Human Monoclonal Antibodies Reactive with Cellular Antigens," <i>Proc. Natl. Acad. Sci. USA</i> 80:2026-2030 (1983)	
	26	Creighton, T.E., "Proteins: Structures and Molecular Principles," W.H. Freeman & Co., New York (1983) (Table of Contents Only)	
	27	Enklaar et al., "Mir1, a Novel Biallelically Expressed Gene in the Center of the Mouse Distal Chromosome 7 Imprinting Cluster, is a Member of the <i>Trp</i> Gene Family," <i>Genomics</i> 67:179-187 (2000)	
	28	Falconer et al., "High-Throughput Screening for Ion Channel Modulators," <i>J. Biomol. Screen.</i> 7(5):460-465 (2002)	
	29	Filmore, D., "Cell-Based Screening Assays and Structural Studies are Fueling G-Protein Coupled Receptors as One of the Most Popular Classes of Investigational Drug Targets," <i>Modern Drug Discovery</i> pp.24-26, 28 (2004)	

Examiner Signature

Sharon Turner

Date Considered

6-20-05

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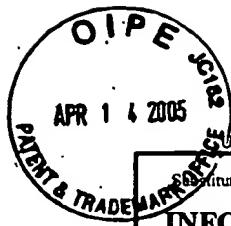
Substitute for form 1449B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/834,792
Sheet	3	of	6	Filing Date	April 13, 2001
				First Named Inventor	Margolskee
				Group Art Unit	1647
				Examiner Name	Sharon L. Turner
				Attorney Docket Number	34116/1051

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SS	30	Fleig et al., "Emerging Roles of TRPM Channels," in "Mammalian TRP Channels as Molecular Targets," <i>Novartis Foundation Symposium 258</i> , John Wiley & Sons, Ltd. pp.248-266 (2004)		
	31	GenBank Accession No. AC003693 (September 30, 1998)		
	32	GenBank Accession No. AF177473 (January 20, 2000)		
	33	Gilbertson et al., "The Molecular Physiology of Taste Transduction," <i>Curr. Opin. Neurobiol.</i> 10:519-527 (2000)		
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SS	41	Huston et al., "Protein Engineering of Antibody Binding Sites: Recovery of Specific Activity in an Anti-Digoxin Single-Chain Fv Analogue Produced in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 85:5879-5883 (1988)		

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				Group Art Unit	1647
				Examiner Name	Sharon L. Turner
				Attorney Docket Number	34116/1051

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	42	Kinnamon & Margolskee, "Mechanisms of Taste Transduction," <i>Curr. Opin. Neurobiol.</i> 6(4):506-513 (1996)	
	43	Köhler & Milstein, "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity," <i>Nature</i> 256:495-497 (1975)	
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	46	Lakso et al., "Targeted Oncogene Activation by Site-Specific Recombination in Transgenic Mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6232-6236 (1992)	
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	55	Ming et al., "Characterization and Solubilization of Bitter-Responsive Receptors That Couple to Gustducin," <i>Proc. Natl. Acad. Sci USA</i> , 95:8933-8938 (1998)				
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	66	Thompson et al., "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells," <i>Cell</i> 56:313-321 (1989)				

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<i>SS</i>	67	van der Putten et al., "Efficient Insertion of Genes Into the Mouse Germ Line Via Retroviral Vectors," <i>Proc. Natl. Acad. Sci. USA</i> 82:6148-6152 (1985)			
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